

LISTING OF CLAIMS

1(cancelled).

2(currently amended). A heat curable composition comprising at least one [curable] epoxy functional resin compound, and at least one metal acrylate curing agent wherein the composition is substantially free of peroxides, [amines,] polyamide, [acid functional curing agents,] dicyandiamide, polysulfides, anhydrides, melamine, urea and imidazole compounds.

3(cancelled).

4(cancelled).

5(cancelled).

6(cancelled).

7(original). The composition of Claim 2 wherein the composition comprises an automotive sealant.

8(currently amended). The composition of Claim 2 wherein the compound comprises at least one member selected from the group consisting of [polybutadiene, melamine, isocyanates,] bis A epoxy, bis F, cycloaliphatic epoxy, novolac compounds and epoxy esters.

9(previously presented). The composition of Claim 2 wherein the composition further comprises at least one filler selected from the group consisting of at least one silicate, silica, trihydrates, carbonates, bitumins, and clays.

10(previously presented). The composition of Claim 2 wherein the composition further comprises at least one additive selected from the group consisting of metal powders, magnetic materials, ceramic powders, plastic powders and resins.

11(previously presented). The composition of Claim 2 wherein the composition further comprises at least one reinforcement.

12(original). The composition of Claim 11 wherein the reinforcement comprises at least one of fibers or film.

13(original). The composition of Claim 2 further comprising at least one complexing agent selected from the group consisting of zirconates and titanates.

14(previously presented) The composition of Claim 2 wherein the metal acrylate curing agent comprises at least one member selected from the group consisting of zinc diacrylate, zinc dimethacrylate, magnesium diacrylate, mixtures thereof and aqueous solutions thereof.

15(original). The composition of Claim 2 wherein the metal acrylate curing agent comprises at least one of zinc diacrylate and dimethacrylate.

16(previously presented). The composition of Claim 14 wherein the metal acrylate curing agent comprises zinc diacrylate.

17(previously presented) The composition of Claim 2 further comprising at least one member selected from the group consisting of silanes and polysiloxanes.

18(previously presented) The composition of Claim 2 further comprises boron nitride.

19(cancelled).

20(previously presented). The composition of Claim 2 wherein the amount of metal acrylate curing agent ranges from about 5 to about 20 wt.% of the composition.

21(new). A thermoset composition comprising at least one epoxy, and at least one curing agent comprising at least one member selected from the group consisting of zinc diacrylate and dimethacrylate wherein the composition is substantially free of peroxides, amines, polyamide and dicyandiamide.

22(new). The composition of Claim 21 wherein the curing agent comprises zinc diacrylate.

23(new). The composition of Claim 21 wherein the epoxy resin comprises at least one member selected from the group consisting of bis A epoxy, bis F, cycloaliphatic epoxy, novolac compounds and epoxy esters.

24(new). The composition of Claim 23 wherein the epoxy resin comprises cycloaliphatic epoxy.

25(new). The composition of Claim 23 wherein the epoxy resin comprises novolac epoxy.

26(new). The composition of Claim 23 wherein the epoxy resin comprises bis A epoxy.

27(new). The composition of Claim 23 wherein the epoxy resin comprises bis F epoxy.

28(new). The composition of Claim 21 wherein the curing agent comprises about 5 to about 20wt.% of the composition.

29(new). The composition of Claim 21 further comprising at least one fillers.

30(new). A combination comprising at least one heat curable epoxy resin, at least one curing agent selected from the group consisting of zinc diacrylate and dimethacrylate, and at least one member selected from the group consisting of titanates, zirconates, silanes and polysiloxanes; wherein the combination is substantially free of peroxides, amines and dicyandiamide.

31. The combination of Claim 30 wherein said member comprises at least one titanate.